



Regioselectivity in the ene reaction of singlet oxygen with ortho-prenylphenol derivatives

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Auteur	Helesbeux, Jean-Jacques [1], Duval, Olivier [2], Guilet, David [3], Seraphin, Denis [4], Rondeau, David [5], Richomme, Pascal [6]
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Résumé en anglais	The ene reaction of singlet oxygen with prenylated dihydroxyacetophenones led to the 2-hydroperoxy-3-methylbut-3-enyl derivatives as the major product. This original regioselectivity outlined a new effect, in competition with the previously established large group non-bonding effect. The oxidation products distribution could be explained by a stabilising interaction between the phenolic hydrogen, ortho to the prenyl side chain, and the perepoxide intermediate.
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Liens

- [1] <http://okina.univ-angers.fr/jeanjacques.helesbeux/publications>
- [2] <http://okina.univ-angers.fr/olivier.duval/publications>
- [3] <http://okina.univ-angers.fr/david.guilet/publications>
- [4] <http://okina.univ-angers.fr/denis.seraphin/publications>
- [5] [http://okina.univ-angers.fr/publications?f\[author\]=43](http://okina.univ-angers.fr/publications?f[author]=43)
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